

Amendments to the Specification:

Please replace the paragraph [0054] with the following amended paragraph:

[0054] FIG. 14A illustrates two orthogonal polarizations, TE and TM modes, of the extracted optical signal 1120 in the overlay 1110. When the polarization of the output beam 1120 is perpendicular to the angled surface 1112 and thus the receiving surface of the detector 410, the reflectivities for both polarization lights are identical. Because the coupling coefficient for the TM polarization is higher than that for the TE polarization, the output intensity of the TM mode is higher than that for the TE mode. Hence, a polarization-dependent error occurs when the beam ~~1112-1120~~ is not exactly perpendicular to the angled facet 1112. Therefore, it is necessary the angle ϕ be properly set to make the angled facet 1112 to be substantially perpendicular to the extracted output beam 1120. the direction of the beam 1120 can be determined from the properties of the overlay 1110, such as the index of the overlay 1110, for the fiber 140 with given properties. When the value of angle ϕ is correctly set, the orientation of the detector 410 around a rotation axis OX shown in FIG. 14B may be designed to increase the reflection of TM mode and to decrease the reflection of TE mode so as to reduce the effect of the polarization-dependent reflection. This is achieved at the